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Effects of Nicotine on Behavior and Its Interaction with Drugs.

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Effects of nicotine have been investigated on various schedules of behavior (e.g., shock avoidance; fixed-ratio; fixed-interval, variable-interval and variable-ratio reinforcement; differential reinforcement at low rates; self-stimulation, self-administration, etc.) in experimental animals in this as well as many other laboratories. Aims of this project are:

(i) To investigate the effects of nicotine on some of these schedules in further details in order to understand the nature of its action.

(ii) To extend the studies to other schedules of behavior.

(iii) To study its interaction with various drugs (e.g., autonomic, neurotropic or otherwise) in order to modify the induced behavioral changes and to investigate the mechanism of its action.

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